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FROM NUMBER OF PAGES, INCLUDING COVER  
Connie Sisk (Wilmer Cutler Pickering Hale  
and Dorr LLP) 5  
Tel.: 703.654.7023

Client: 968.016

MESSAGE

Re: U.S. Patent Application No. 09/998,372  
(Atty. Docket No. 005917 USA/FET/FET) (Our Ref. 107262.151US3)

Per my conversation today with Examiner Robert A. Rose, attached  
please find a Supplemental IDS that was previously submitted on  
10/9/03. This has not been officially recorded in the file, and so we are  
sending another copy (along with a copy of the stamped postcard).

If there are any questions, please call us at (703) 654-7023.

Thank you,

*Connie Sisk*  
Connie Sisk

Legal Assistant to Scott M. Alter  
Wilmer Cutler Pickering Hale and Dorr LLP

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THE WILLARD OFFICE BUILDING  
1455 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, DC 20004  
+1 202 942 8400  
+1 202 942 8484 fax  
wilmerhale.com

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BALTIMORE BERLIN BOSTON BRUSSELS LONDON MUNICH  
NEW YORK NORTHERN VIRGINIA OXFORD PRINCETON WALTHAM WASHINGTON

HALE and DORR LLP  
1455 Pennsylvania Avenue, NW  
Washington, DC 20004  
(202) 942-8400



Applicant(s): **Young Joseph PAIK** Application: **09/998,372** 107262.151US3  
Filing Date: **November 30, 2001** Atty Docket No.: **005917 USA/FET/FET SMA/MRS/mgm**  
Entitled: **Control of Chemical Mechanical Polishing Pad Conditioner Directional Velocity to Improve Pad Life**

**RECEIPT IS ACKNOWLEDGED FOR THE FOLLOWING:**

[X] Supplemental Information Disclosure Statement and 1 PTO-1449 Form  
[X] 16 References

Docket No.: 005917 USA/FET/FET

PATENT/OFFICIAL

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Young Joseph PAIK :  
Serial No. 09/998,372 : Group Art Unit: 3723  
Filed: November 30, 2001 : Examiner:  
For: CONTROL OF CHEMICAL MECHANICAL POLISHING PAD CONDITIONER  
DIRECTIONAL VELOCITY TO IMPROVE PAD LIFE

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

This submission does not constitute a representation that a search has been made or that no better art exists and does not constitute an admission or representation that any of the listed documents is material or constitutes prior art. If it should be determined that any of the listed documents does not constitute prior art under the United States law, Applicants reserve the right

**Serial No. 09/998,372**

to present to the Office the relevant facts and law regarding the appropriate status of such document.

No certification or fee is believed to be required. However, the Commissioner is hereby authorized to charge any additional fees should any be required for this submission, or credit any overpayment to deposit account no. 08-0219.

Respectfully submitted,  
HALE AND DORR LLP



Scott M. Alter  
Registration No. 32,879

Reston Town Center  
11951 Freedom Drive  
Reston, VA 20190  
TEL (703) 654-7021 SMA/mgm  
FAX (703) 654-7100  
Date: 10/9/03

SHEET 1 OF 1

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)</b>			ATTY. DOCKET NO. 005917 USA/FET/FET	SERIAL NO. 09/998,372		
			APPLICANT Young Joseph PAIK			
			FILING DATE November 30, 2001	GROUP 3723		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	5,901,313	05/04/99	Wolf et al.			09/02/97
	6,002,989	12/14/99	Shiba et al.			04/01/97
	6,094,688	07/25/00	Mellen-Garnett et al.			03/12/98
	6,340,602	01/22/02	Johnson et al.			02/12/01
	6,345,288	02/05/02	Reed et al.			05/15/00
	6,368,879	04/09/02	Toprac			09/22/99
	US-2002/0107604	08/08/02	Riley et al.			12/06/00
	6,470,230	10/22/02	Toprac et al.			01/04/00
	6,482,660	11/19/02	Conchieri et al.			03/19/01
	6,567,717	05/20/03	Krivokapic et al.			01/19/00
<b>FOREIGN PATENT DOCUMENTS</b>						Translation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	
	WO 99/59200	11/18/99	WIPO			X
	WO 01/52319	07/19/01	WIPO			X
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
	Williams, Randy, Dadi Gudmundsson, Kevin Monahan, Raman Nurani, Meryl Stoller and J. George Shanthikumar. October 1999. "Optimized Sample Planning for Wafer Defect Inspection," <i>Semiconductor Manufacturing Conference Proceedings, 1999 IEEE International Symposium on Santa Clara, CA</i> , Piscataway, NJ, pp. 43 - 46.					
	23 July 2003. Invitation to Pay Additional Fees and Communication Relating to the Results of the Partial International Search for PCT/US02/19116.					
	01 August 2003. Written Opinion for PCT/US01/27406.					
	20 August 2003. Written Opinion for PCT/US01/22833.					
EXAMINER			DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.